

CLAIMS

We I claim:

1 1. A method for providing data services to mobile devices in a system comprising a
2 data network, at least one content server accessible via the data network, at least one gateway for
3 accessing the data network, a mobile telephone network for communicating between the mobile
4 devices and said at least one gateway, and a content converter connected to the data network, the
5 method comprising:

6 uploading to the content converter and storing therewith indications of the characteristics
7 of each terminal device;

8 routing content for a particular mobile terminal from said at least one content server to the
9 content converter;

10 adjusting content for the particular mobile terminal in the content converter according to
11 the stored characteristics of the mobile terminal; and

12 routing the adjusted content through the data network to said at least one gateway for
13 forwarding to said particular mobile terminal.

1 2. The method of claim 1 wherein the content is in wireless application protocol
2 (WAP) format.

1 3. The method of claim 1, wherein the data network is a wide-area network (WAN).

1 4. The method of claim 3, wherein the WAN is the Internet.

1 5. The method of claim 1, further including the step of uploading to the content
2 converter and storing therewith indications of preferences of the user of each terminal device, and
3 wherein the step of adjusting content is according to said stored preferences of the user.

1 6. The method of claim 5, wherein content is adjusted in accordance with a
2 preference currently entered by the user and stored.

1 7. The method of claim 5, wherein content is adjusted in accordance with a
2 preference previously stored and currently selected by the user.

1 8. Apparatus for providing data services to mobile devices in a system comprising a
2 data network, at least one content server accessible via the data network, at least one gateway for
3 accessing the data network, a mobile telephone network for communicating between the mobile
4 devices and said at least one gateway, and a content converter connected to the data network,
5 the apparatus comprising:

6 a data store associated with the content converter for storing indications of the
7 characteristics of each terminal device;
8 receiving means at the content converter for receiving content for a particular mobile
9 terminal from said at least one content server;
10 logic for adjusting content for the particular mobile terminal in the content converter
11 according to the stored characteristics of the mobile terminal; and
12 sending means for routing the adjusted content through the data network to said at least
13 one gateway for forwarding to said particular mobile terminal.

1 9. The apparatus of claim 8 wherein the content is in wireless application protocol
2 (WAP) format.

1 10. The apparatus of claim 9, wherein the data network is a wide-area network
2 (WAN).

1 11. The apparatus of claim 10, wherein the WAN is the Internet.

1 12. The apparatus of claim 7, wherein the data store further stores indications of
2 preferences of the user of each terminal device, and wherein the logic adjusts content in
3 accordance with stored preferences of the user.

1 13. The apparatus of claim 12, wherein the logic adjusts content in accordance with a
2 preference currently entered by the user and stored.

1 14. The apparatus of claim 12, wherein the logic adjusts content in accordance with a
2 preference previously stored and currently selected by the user.